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## **OriGene Technologies GmbH**

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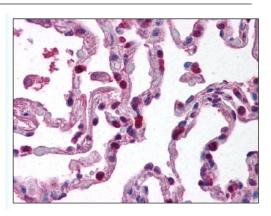
## AP07871PU-N Polyclonal Antibody to BACE2 (44-59) - Purified

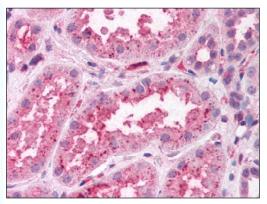
Alternate names:	AEPLC, ALP56, ASP1, ASP21, Aspartic-like protease 56 kDa, Aspartyl protease 1, Beta- secretase 2, Beta-site APP-cleaving enzyme 2, Beta-site APP-cleaving enzyme 2, Down region aspartic protease, Memapsin-1, Membrane-associated aspartic protease 1
Quantity:	50 µg
Concentration:	1 mg/ml
Background:	BACE2 (Memapsin 1) is a membrane-bound aspartic protease that is highly homologous with BACE1 (Memapsin 2). While BACE1 processes the amyloid precursor protein (APP) at a key step in generating the beta-amyloid peptide and presumably causes Alzheimer's disease (AD), BACE2 has not been demonstrated to be directly involved in APP processing, and its physiological functions remain to be determined. In vivo, BACE2 is expressed as a precursor protein containing pre-, pro-, protease, transmembrane, and cytosolic domains/peptides.
Uniprot ID:	<u>Q9Y5Z0</u>
NCBI:	<u>NP_036237.2</u>
GenelD:	<u>25825</u>
Host:	Rabbit
Immunogen:	Synthetic Peptide corresponding to Amino acids 44 to 59 of human BACE2 - KLH conjugated
Format:	<b>State:</b> Liquid purified lgG fraction <b>Buffer System:</b> PBS containing 0.02% Sodium Azide as preservative
Applications:	Immunohistochemistry on Paraffin Sections: 20 µg/ml. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and
Specificity:	should be determined by the user. This antibody recognises Beta-site APP-cleaving Enzyme 2 (BACE2).
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. **Pictures:** 

**Figure 2.** Staining BACE2 in Lung by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.

**Figure 1.** Staining BACE2 in Kidney by Immunohistochemistry using Formalin-Fixed Paraffin-Embedded (FFPE) tissue.





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